State of Alaska
Department of Fish and Game
Nomination for Waters
Important to Anadromous Fish

AWC Volume (SE) SC SW W AR IN USGS Quad Petersburg B6

Anadromous Water Catalog Number of Waterway 105-31-10190

Name of Waterway _____ USGS name ___ Local name ___

Addition ___ Deletion ___ Correction X Backup Information ___

For Office Use

Nomination # 94 381

Revision Year: 94

Revision to: Atlas ___ Catalog ___

Both X

Revision Code: D-1 E-9

Regional Supervisor — Date: 11-19-93

Date: 1/12/94

Drafted — Date: 1/12/94

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous

IMPORTANT: Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as any other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Comments: The enclosed fisheries survey done by the U.S.F.S. shows a 30-40' barrier at the location shown on the map. A.D.F.&G. escapement data shows pinks spawning up to the falls.

ALASKA DEPT. OF FISH & GAME
NOV 23 1993
REGION II
HABITAT AND RESTORATION DIVISION

Name of Observer (please print) James P. Caviello

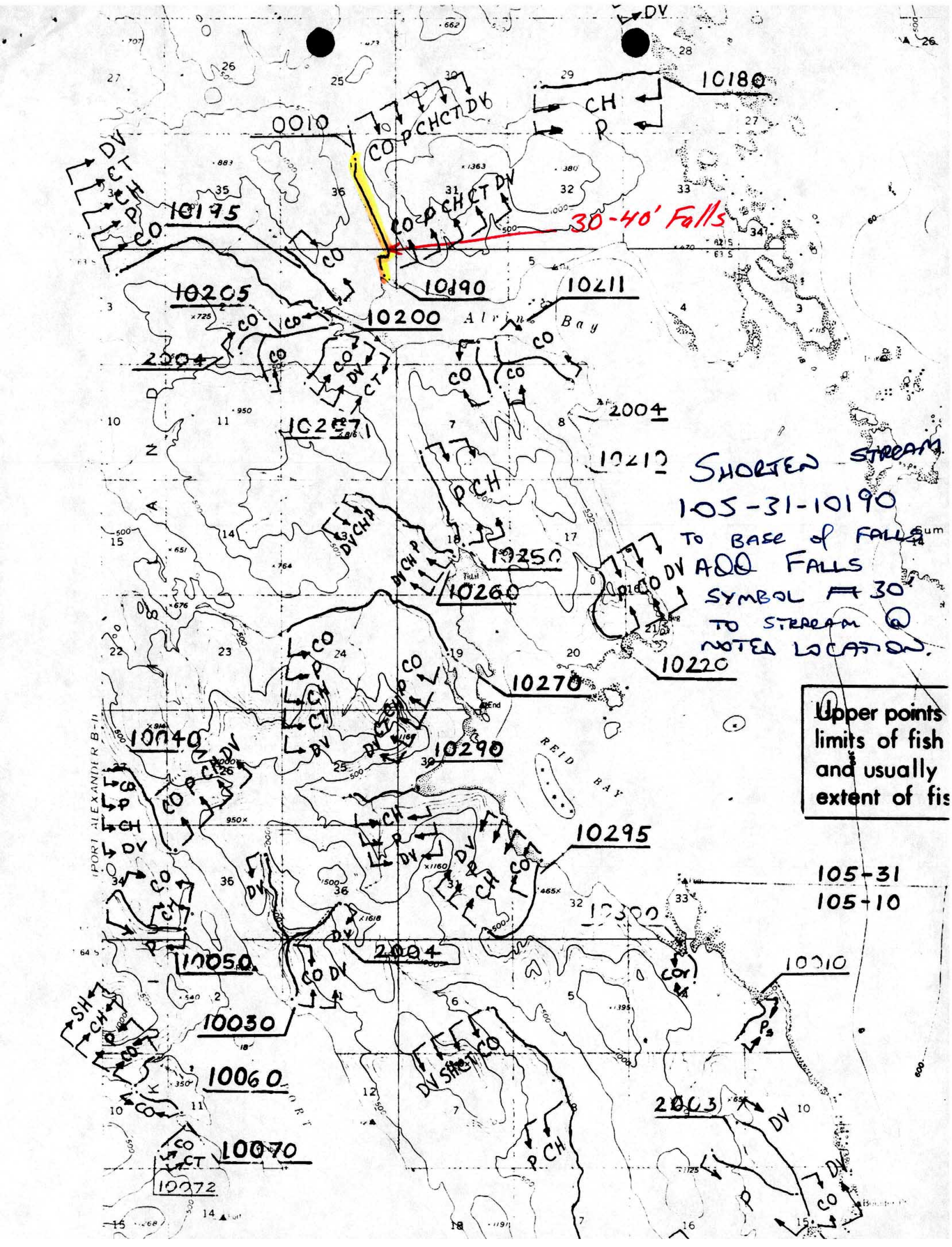
Date: 10/18/93 Signature: James P. Caviello

Address: A.D.F.&G.
Box 667 Petersburg, Ak.

This certifies that in my best professional judgement and belief the above information is evidence that this waterbody should be included in or deleted from the Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes per AS 16.05.870.

Signature of Area Biologist: Paul A. Love

Rev. 7/93



30-40' Falls
SHORTEN STREAM
105-31-10190
TO BASE OF FALLS
ADD FALLS
SYMBOL 30'
TO STREAM @
NOTED LOCATION.
Upper points
limits of fish
and usually
extent of fis
105-31
105-10
10180
0010
CO P CH CT DV
10195
10190
10211
10205
10200
Alrine Bay
2004
10297
10212
10250
10260
10220
10270
10040
10290
REID BAY
10295
10300
10050
10010
10030
10060
2003
10070
10072
PORT ALEXANDER B-1

Stream 105-31-19
Latitude 56°-26'-24" Longitude 133°-56'-47"

This stream is located in Alvin Bay on the east side of Kuiu Island, one mile west of the Par marker.

The stream displays gravel and cobble substrates in the intertidal area which provide good spawning habitat. Photo #28 depicts the intertidal area of the stream.

Photo #28 - Intertidal area of stream 105-31-19.

Above the intertidal area for several hundred yards there is fair-good spawning habitat. An 8 foot barrier falls followed by a 30-40 foot falls is located .10 mile upstream. Photo #29 depicts the eight foot falls.

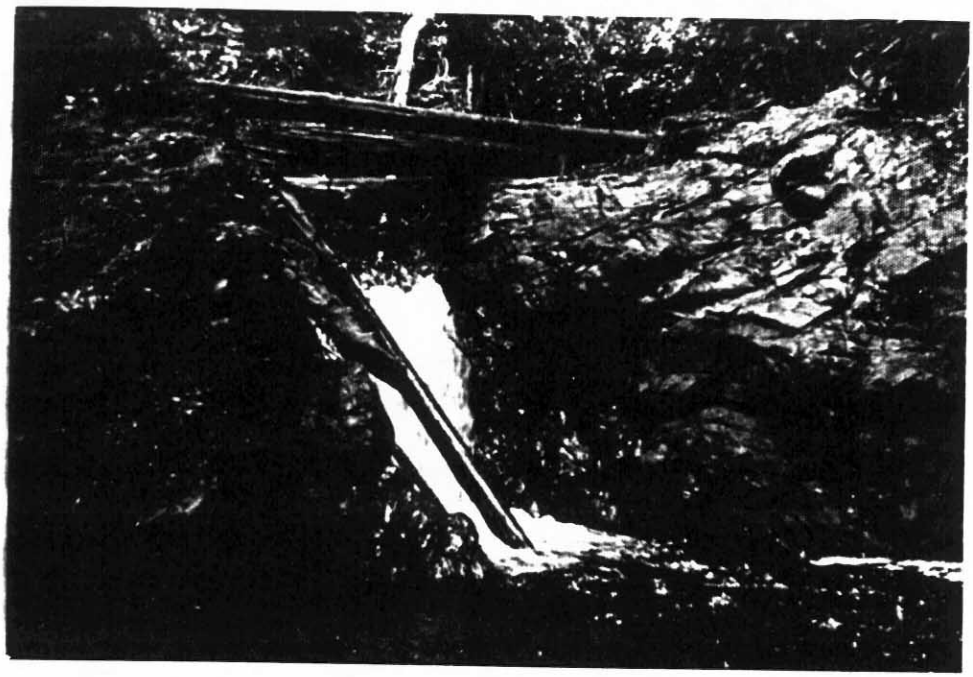


Photo #29 - 8 foot barrier falls located .1 mile upstream.

The stream continues to display bedrock substrates and is fairly restricted for .2 mile. The stream gradient becomes gentle above and there is good spawning and rearing habitat up to the lower lake. There is also some good spawning gravel directly above the lake for .1 mile until the stream becomes rather small.

Several adult chum, coho fry and yearling, and trout were observed below the first bedrock barrier.

ADF&G spawning escapement data:

1974 150 chum

Recommendations:

1) Further biological reconnaissance is needed to determine enhancement feasibility.

105-31-(19-20)
NN 5, 6, 7, 8